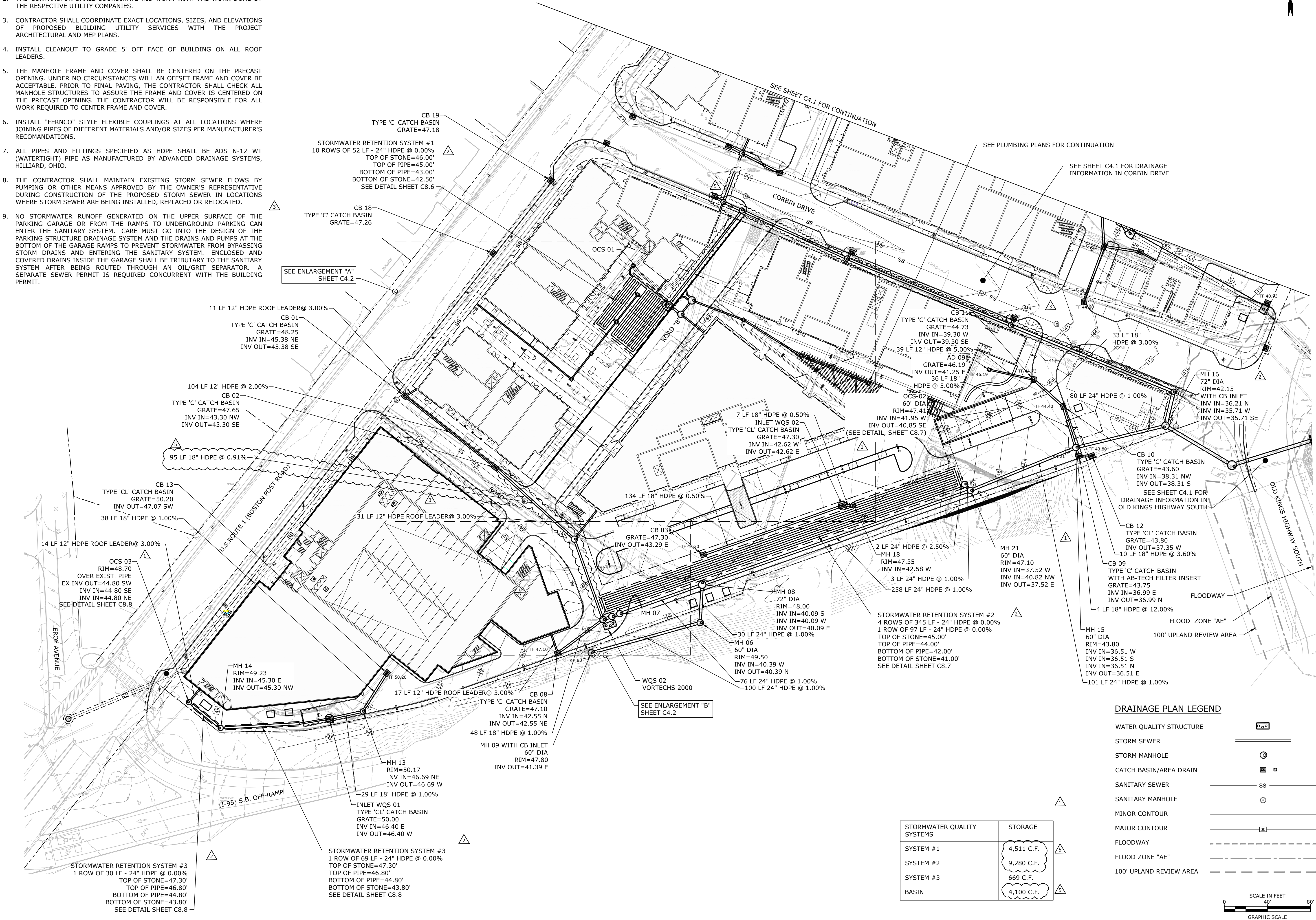


SITE DRAINAGE PLAN NOTES

1. THE CONTRACTOR SHALL COORDINATE/VERIFY THE EXACT SIZES, LOCATIONS, ELEVATIONS, OF ALL PROPOSED BUILDING'S UTILITY SERVICES WITH THE PROJECT MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS PRIOR TO ANY CONSTRUCTION OPERATIONS.
2. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE WORK DONE BY THE RESPECTIVE UTILITY COMPANIES.
3. CONTRACTOR SHALL COORDINATE EXACT LOCATIONS, SIZES, AND ELEVATIONS OF PROPOSED BUILDING UTILITY SERVICES WITH THE PROJECT ARCHITECTURAL AND MEP PLANS.
4. INSTALL CLEANOUT TO GRADE 5' OFF FACE OF BUILDING ON ALL ROOF LEADERS.
5. THE MANHOLE FRAME AND COVER SHALL BE CENTERED ON THE PRECAST OPENING. UNDER NO CIRCUMSTANCES WILL AN OFFSET FRAME AND COVER BE ACCEPTABLE. PRIOR TO FINAL PAVING, THE CONTRACTOR SHALL CHECK ALL MANHOLE STRUCTURES TO ASSURE THE FRAME AND COVER IS CENTERED ON THE PRECAST OPENING. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL WORK REQUIRED TO CENTER FRAME AND COVER.
6. INSTALL "FERNCO" STYLE FLEXIBLE COUPLINGS AT ALL LOCATIONS WHERE JOINING PIPES OF DIFFERENT MATERIALS AND/OR SIZES PER MANUFACTURER'S RECOMANDATIONS.
7. ALL PIPES AND FITTINGS SPECIFIED AS HDPE SHALL BE ADS N-12 WT (WATERTIGHT) PIPE AS MANUFACTURED BY ADVANCED DRAINAGE SYSTEMS, HILLIARD, OHIO.
8. THE CONTRACTOR SHALL MAINTAIN EXISTING STORM SEWER FLOWS BY PUMPING OR OTHER MEANS APPROVED BY THE OWNER'S REPRESENTATIVE DURING CONSTRUCTION OF THE PROPOSED STORM SEWER IN LOCATIONS WHERE STORM SEWER ARE BEING INSTALLED, REPLACED OR RELOCATED.
9. NO STORMWATER RUNOFF GENERATED ON THE UPPER SURFACE OF THE PARKING GARAGE OR FROM THE RAMPS TO UNDERGROUND PARKING CAN ENTER THE SANITARY SYSTEM. CARE MUST GO INTO THE DESIGN OF THE PARKING STRUCTURE DRAINAGE SYSTEM AND THE DRAINS AND PUMPS AT THE BOTTOM OF THE GARAGE RAMPS TO PREVENT STORMWATER FROM BYPASSING STORM DRAINS AND ENTERING THE SANITARY SYSTEM. ENCLOSED AND COVERED DRAINS INSIDE THE GARAGE SHALL BE TRIBUTARY TO THE SANITARY SYSTEM AFTER BEING ROUTED THROUGH AN OIL/GRIT SEPARATOR. A SEPARATE SEWER PERMIT IS REQUIRED CONCURRENT WITH THE BUILDING PERMIT.



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Town Submission

Baywater Corbin Partners, LLC

Corbin Block

Darien, Connecticut

VERIFY SCALE

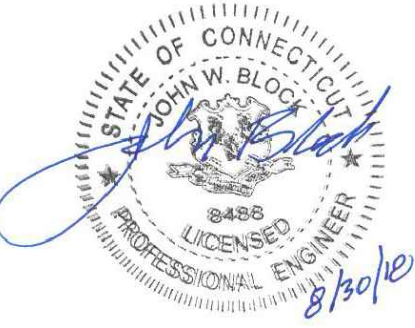
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MARK	DATE	DESCRIPTION
5	8-30-2018	TOWN REVIEW COMMENTS V
3	8-13-2018	TOWN REVIEW COMMENTS III
2	8-3-2018	TOWN REVIEW COMMENTS II
1	7-11-2018	TOWN COMMENTS
PROJECT NO: B0509-06		
DATE: 5/25/2018		
FILE: B0509-06-C-400-DRAIN.dwg		
DRAWN BY: PAR		
CHECKED: EWL		
APPROVED: JWB		

DRAINAGE PLAN - 1

SCALE: 1" = 40'

C4.0



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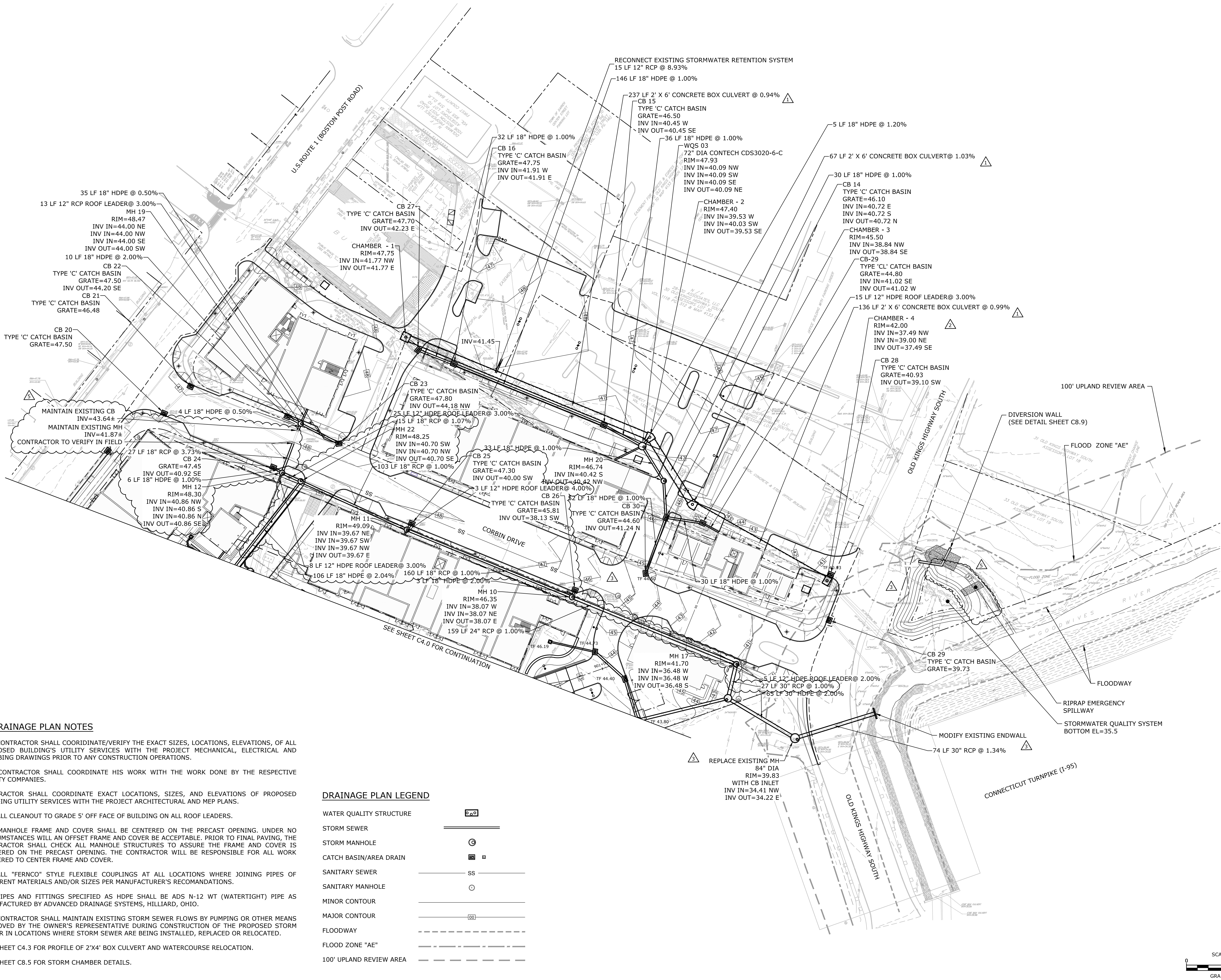
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DRAINAGE PLAN - 2

SCALE: 1" = 40'

C4.1

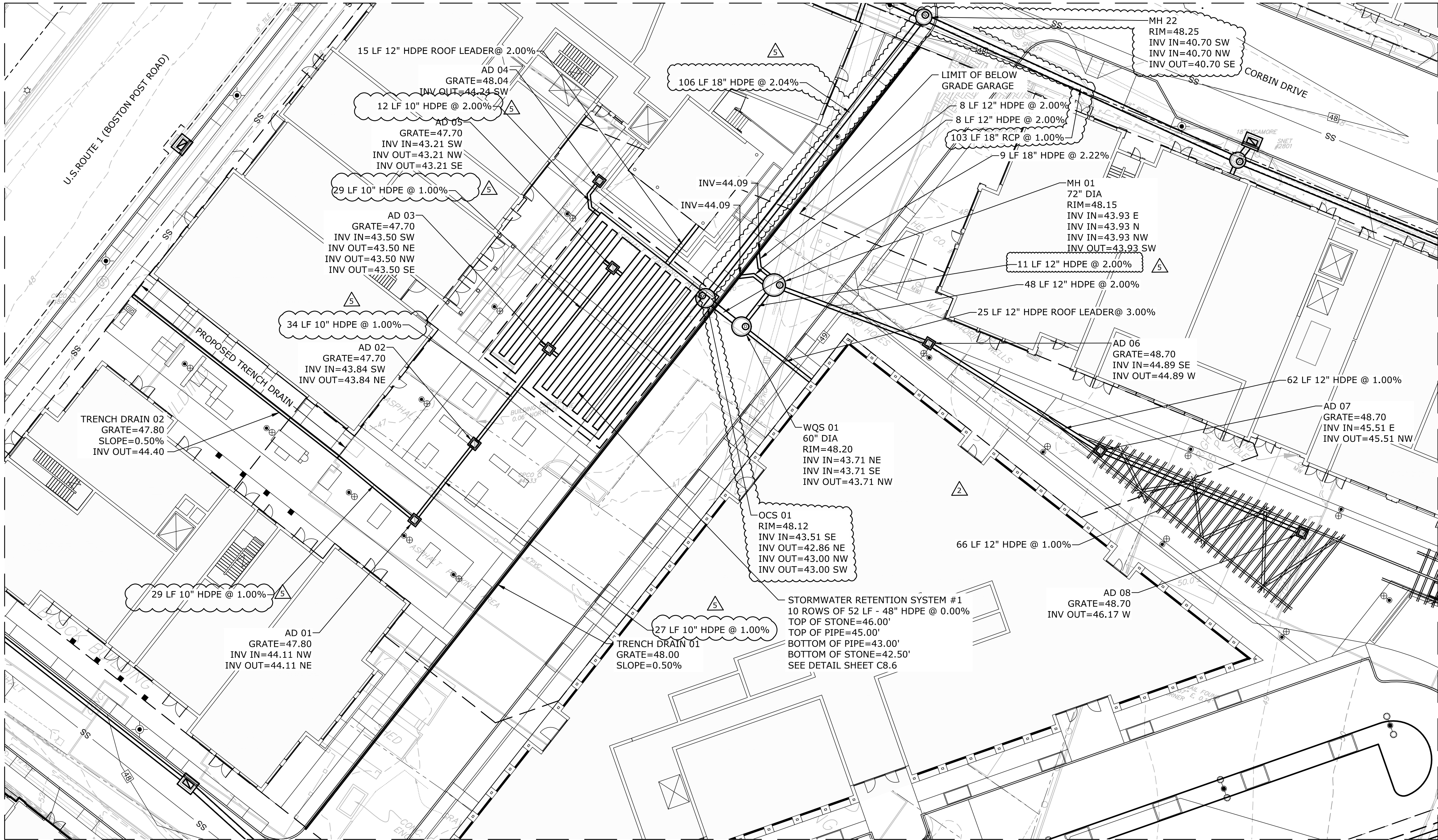


SITE DRAINAGE PLAN NOTES

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9. SEE SHEET C4.3 FOR PROFILE OF 2'X4' BOX CULVERT AND WATERCOURSE RELOCATION.
10. SEE SHEET C8.5 FOR STORM CHAMBER DETAILS.

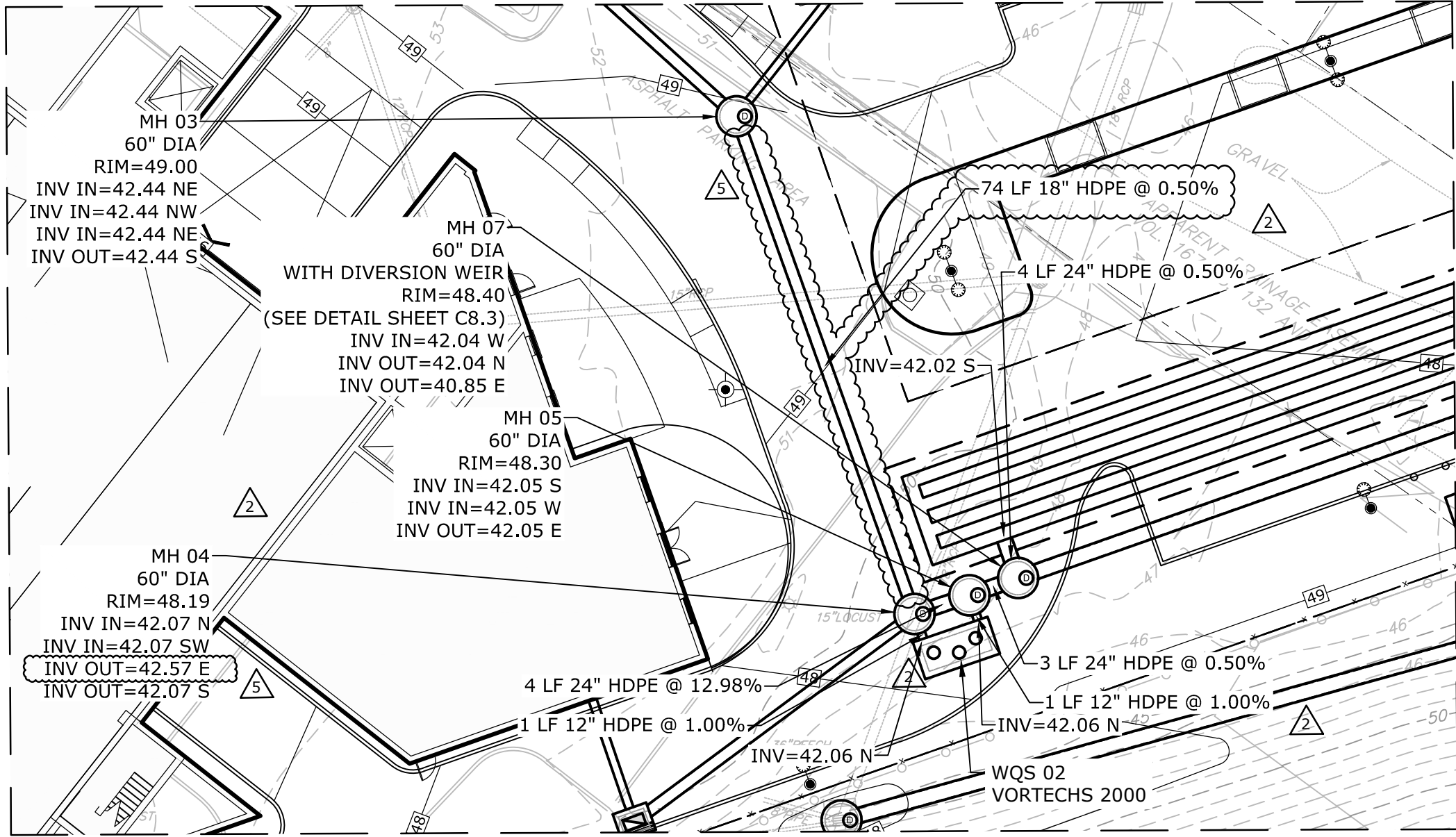
DRAINAGE PLAN LEGEND

WATER QUALITY STRUCTURE	
STORM SEWER	
STORM MANHOLE	
CATCH BASIN/AREA DRAIN	
SANITARY SEWER	
SANITARY MANHOLE	
MINOR CONTOUR	
MAJOR CONTOUR	
FLOODWAY	
FLOOD ZONE "AE"	
100' UPLAND REVIEW AREA	



NOTE:
1. SEE SHEET C4.0 FOR ENLARGEMENT LOCATIONS.

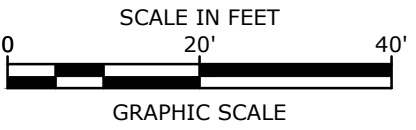
ENLARGEMENT "A"
SCALE: 1" = 20'



ENLARGEMENT "B"
SCALE: 1" = 20'

DRAINAGE PLAN LEGEND

WATER QUALITY STRUCTURE	
STORM SEWER	
STORM MANHOLE	
CATCH BASIN/AREA DRAIN	
SANITARY SEWER	
SANITARY MANHOLE	
MINOR CONTOUR	
MAJOR CONTOUR	
FLOODWAY	
FLOOD ZONE "AE"	
100' UPLAND REVIEW AREA	



Town Submission

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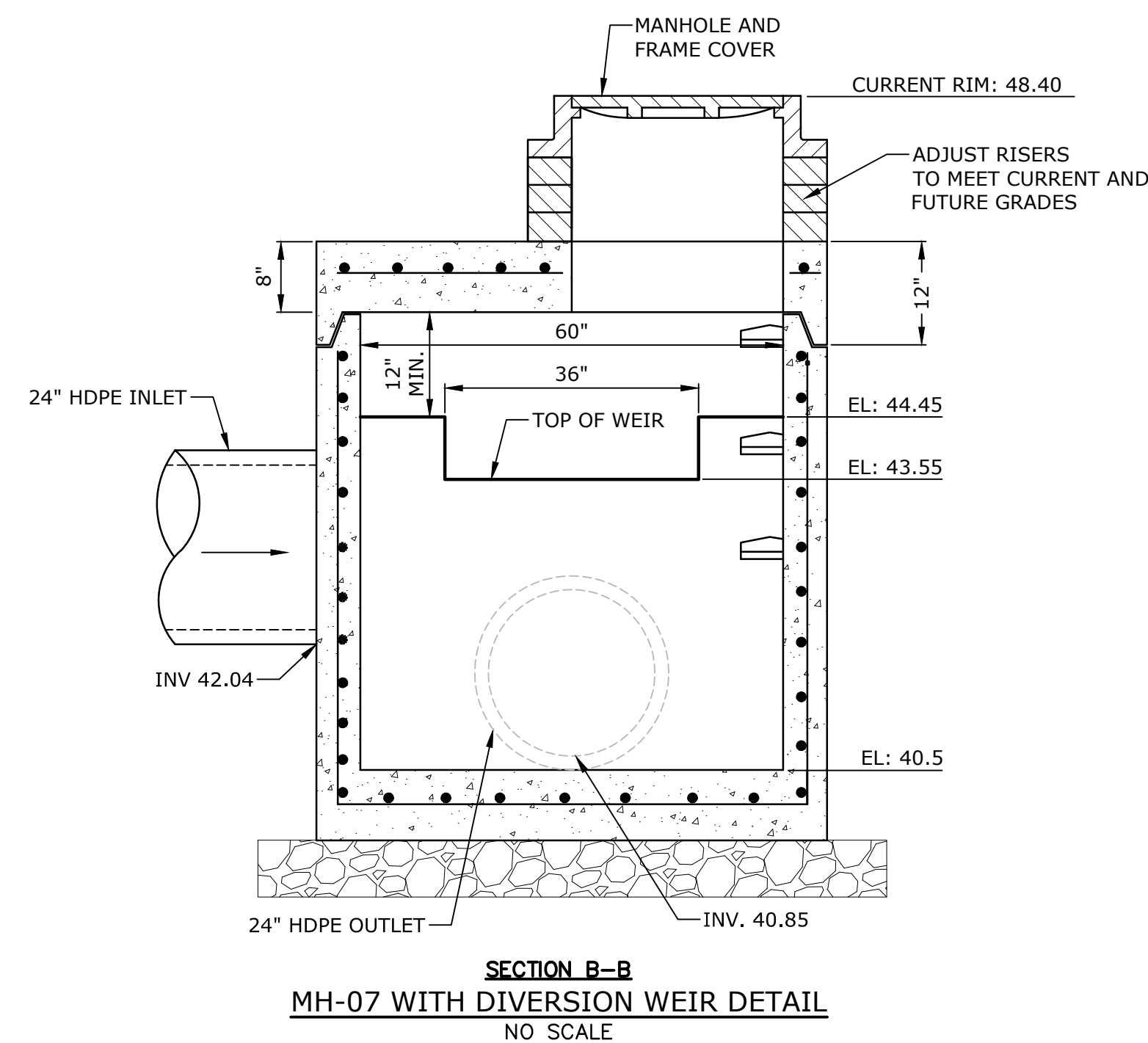
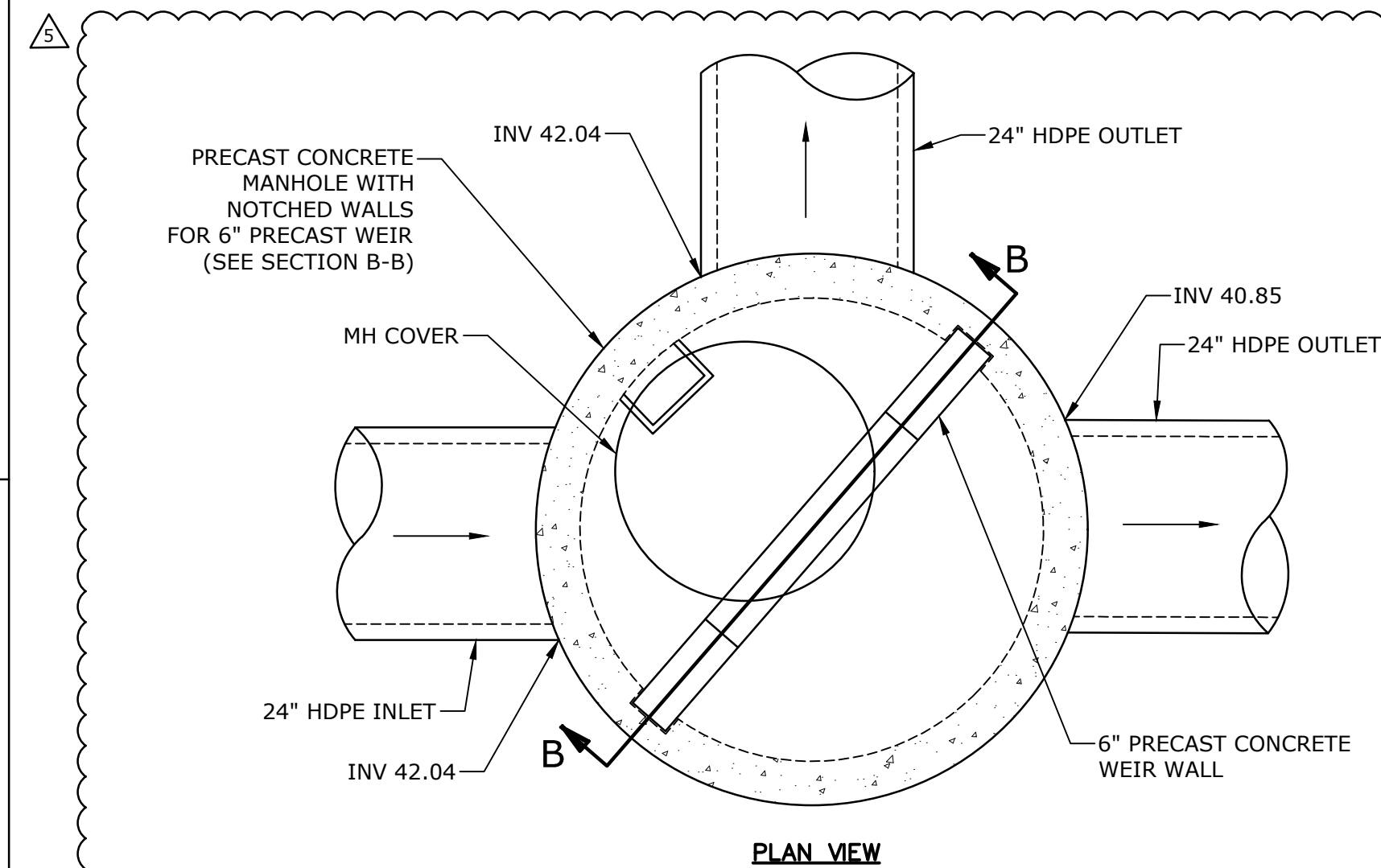
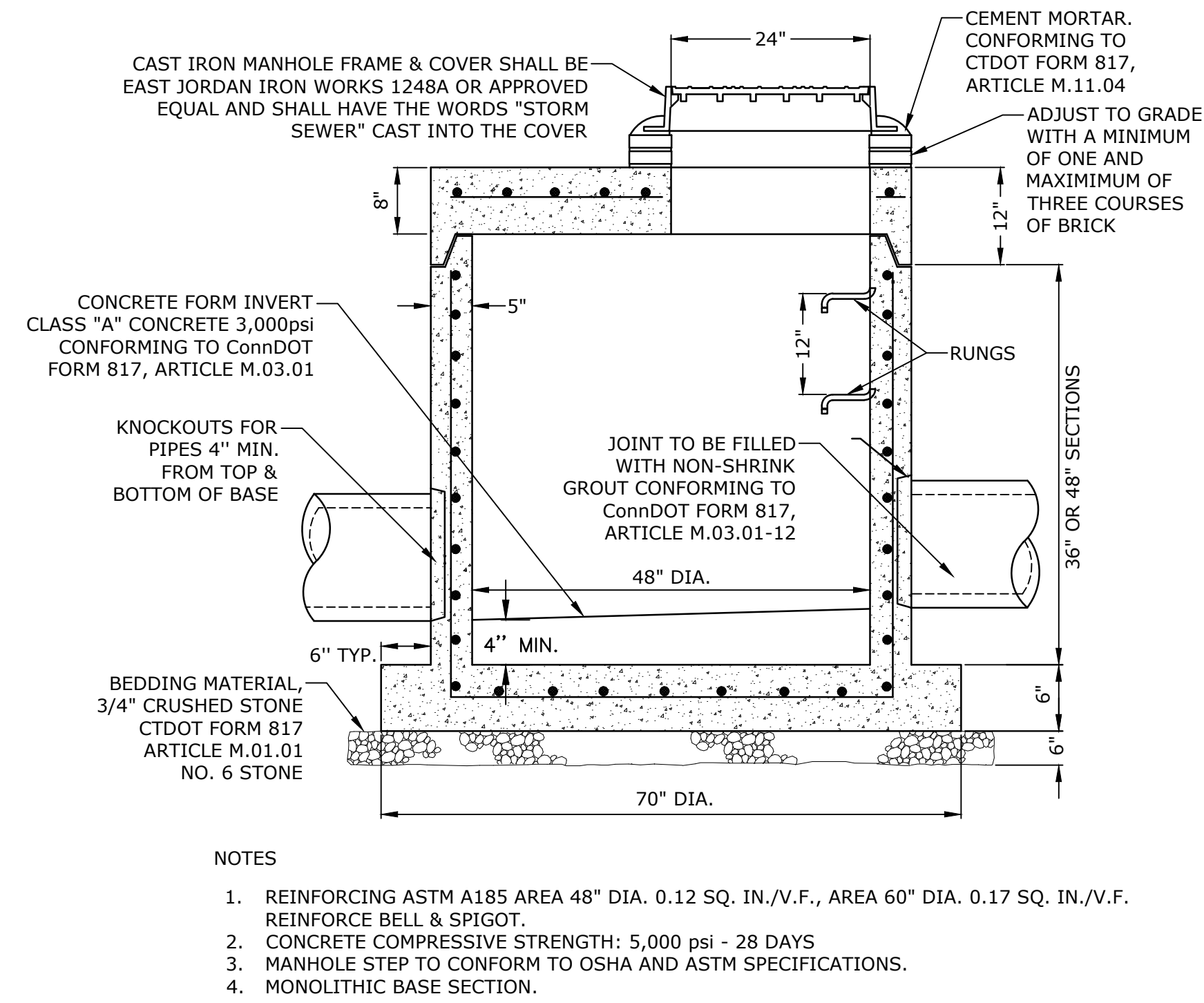
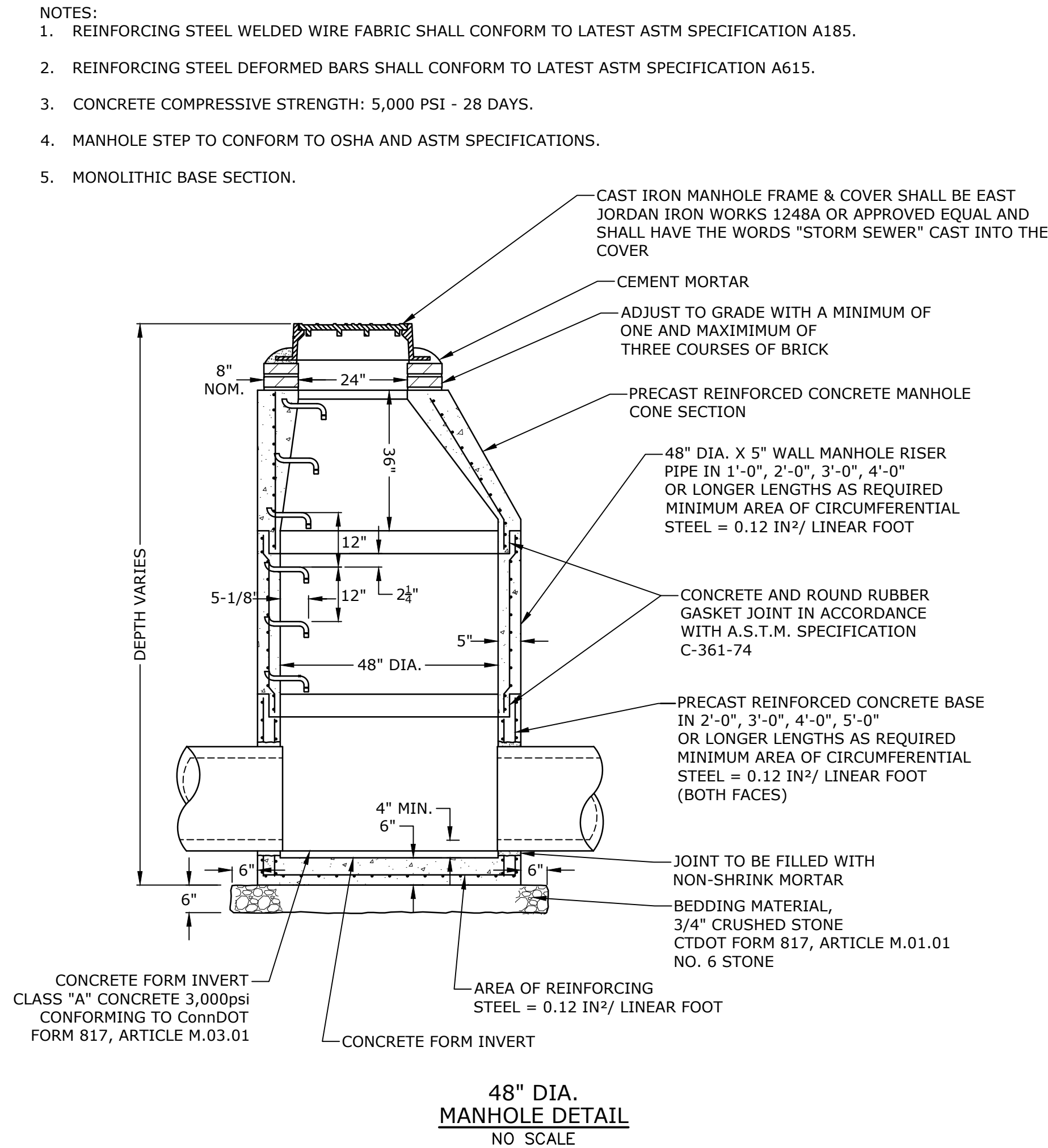
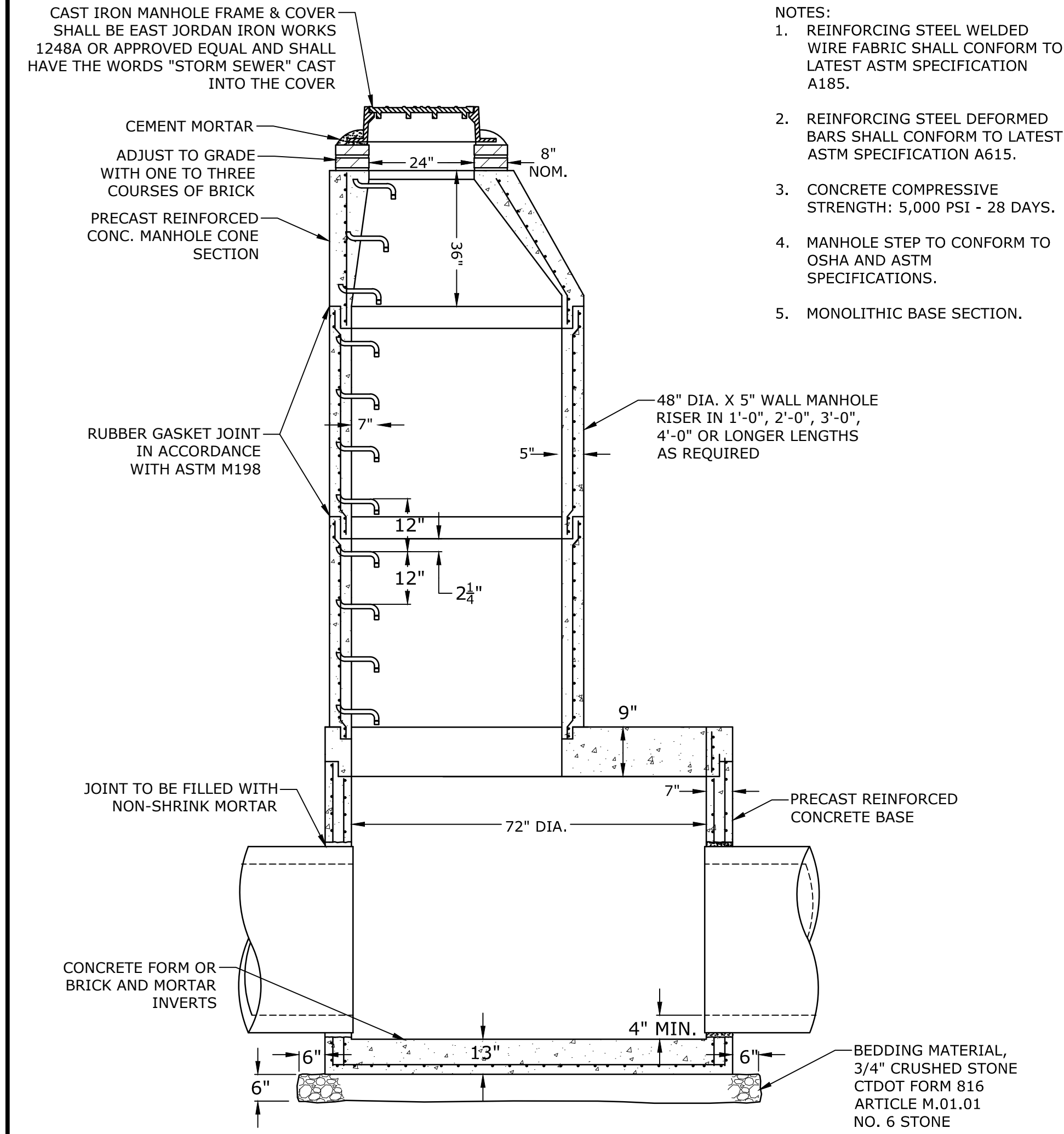
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Darien, Connecticut

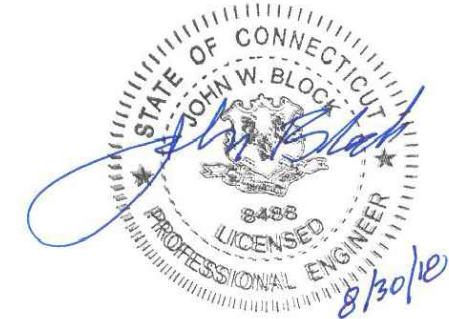
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DRAINAGE ENLARGEMENT	
SCALE:	AS NOTED
C4.2	



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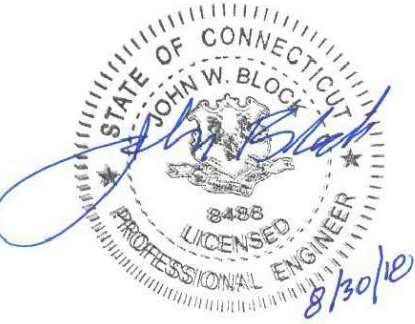
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CHECKED: EWL		
APPROVED: JWB		

STORM DETAILS - 2

SCALE: N.T.S

C8.3



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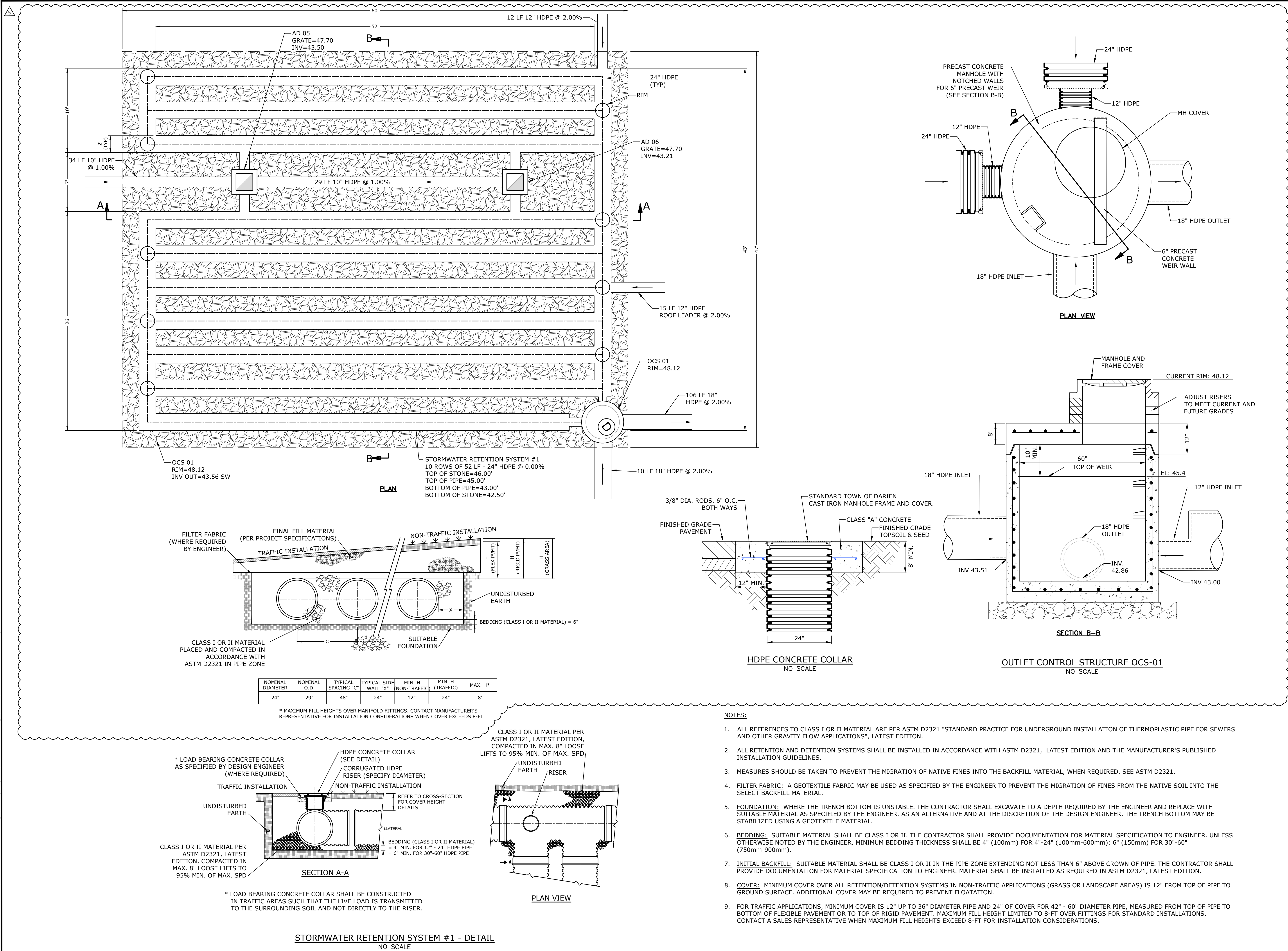
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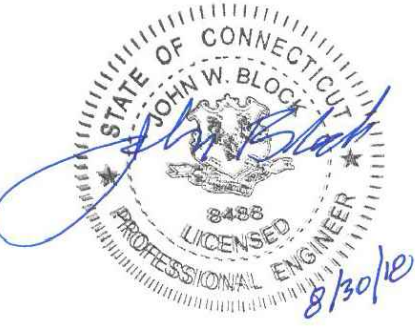
PROJECT NO:	B0509-06
DATE:	5/25/2018
FILE:	B0509-06-C-800-DETL.dwg
DRAWN BY:	MDS
CHECKED:	EWL
APPROVED:	JWB

STORMWATER QUALITY
SYSTEM #1 - DETAILS

SCALE: N.T.S

C8.6





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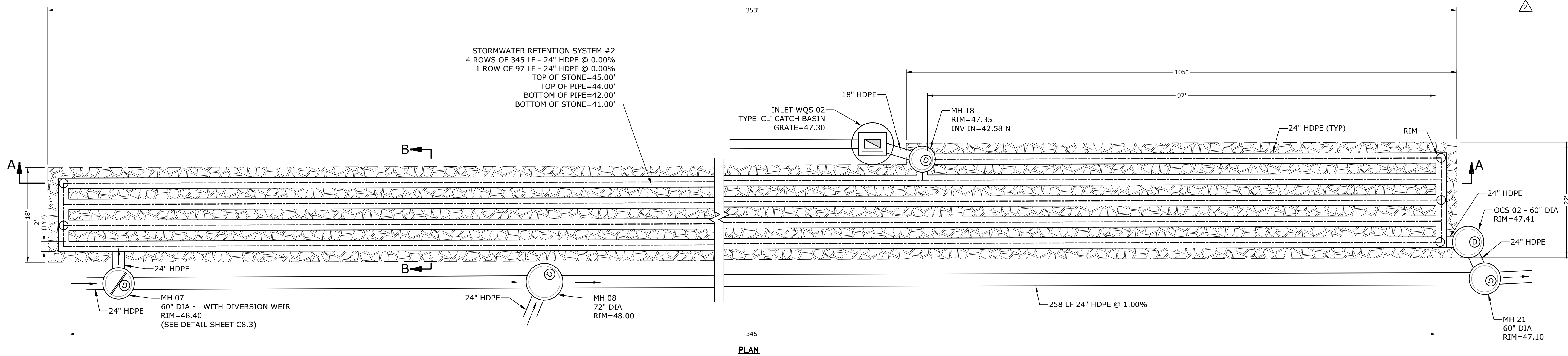
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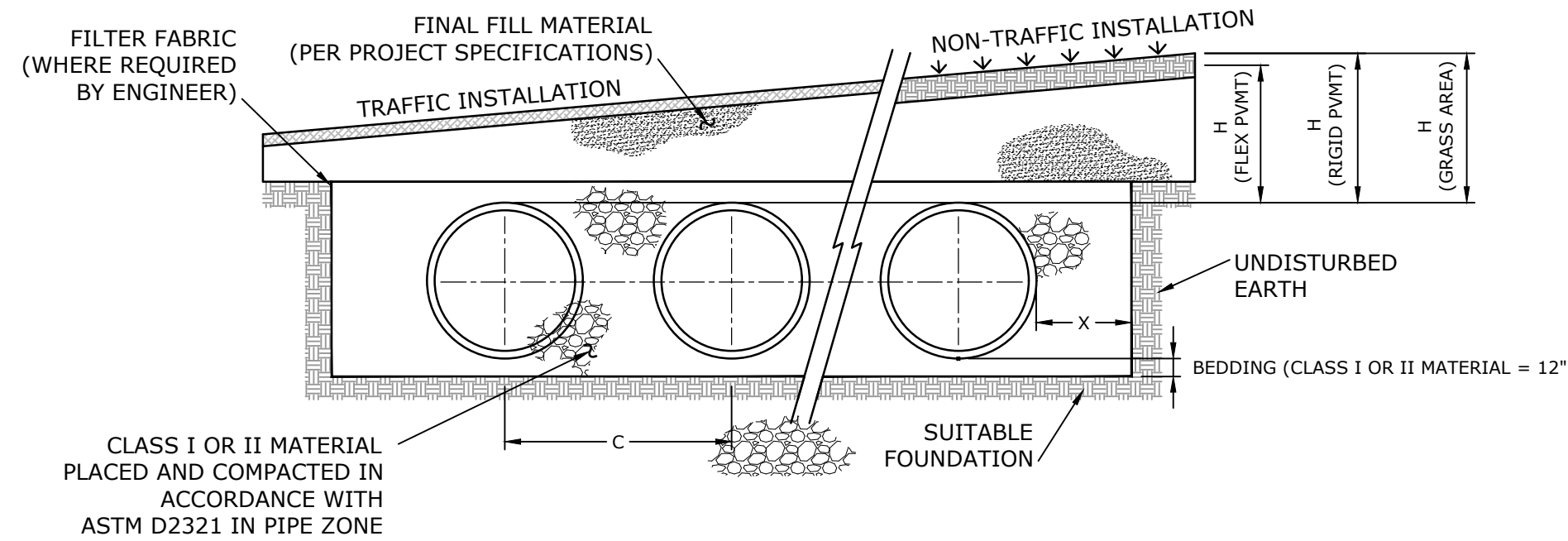
STORMWATER QUALITY
SYSTEM #2 - DETAILS

SCALE: N.T.S

C8.7

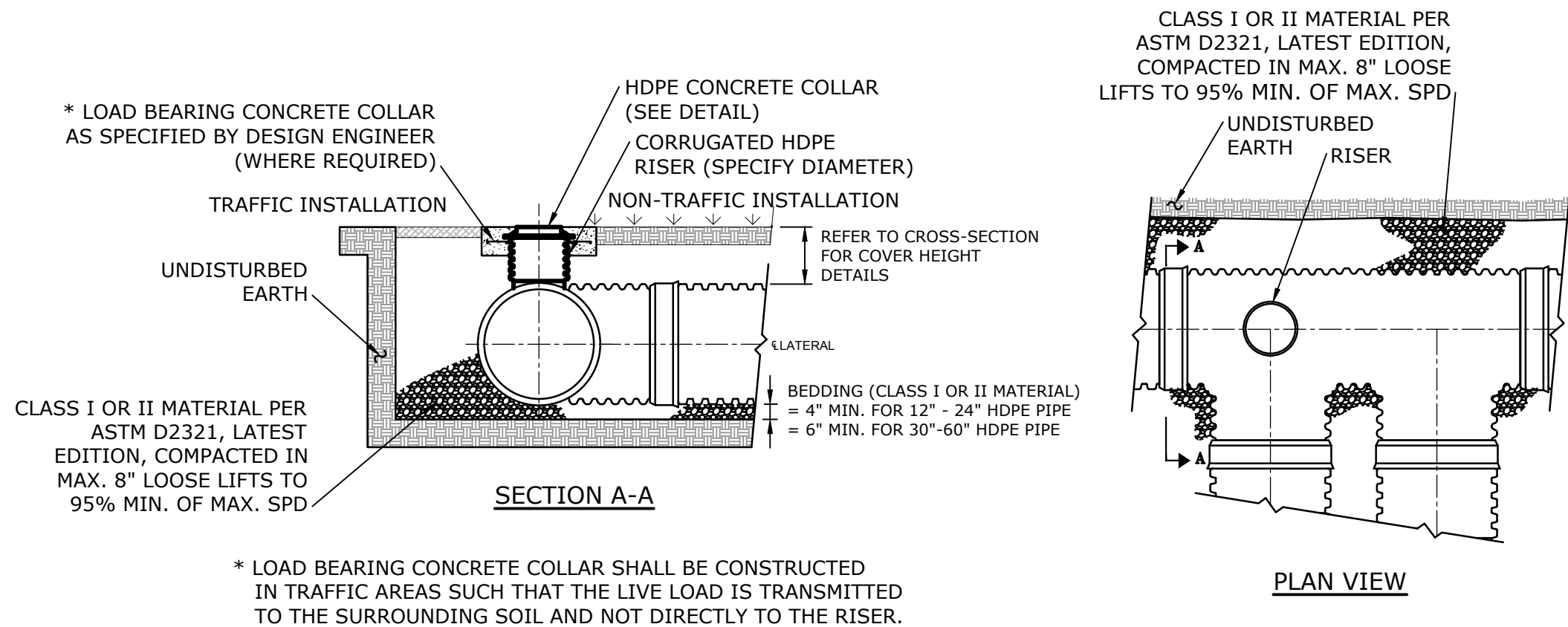


PLAN

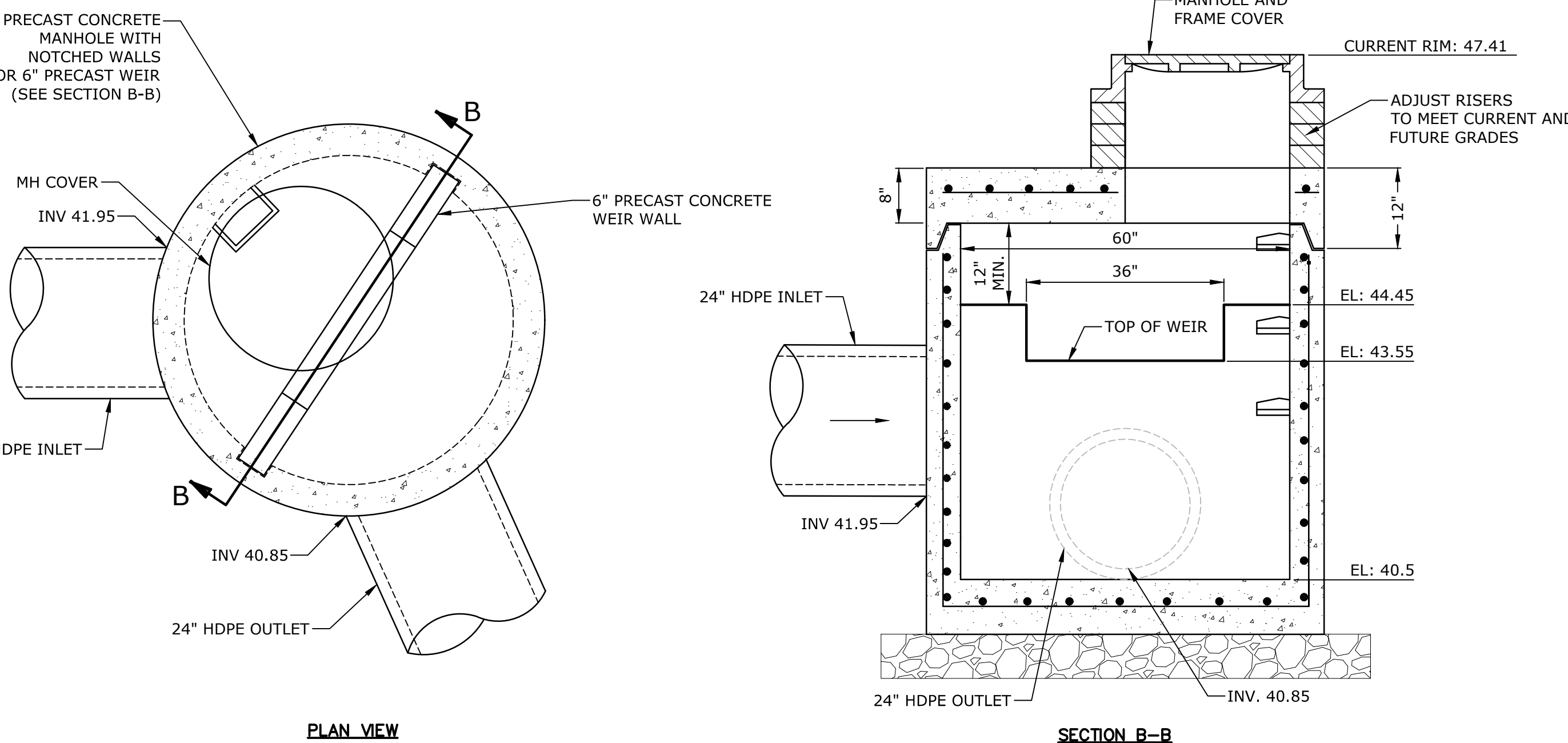


NOMINAL DIAMETER	NOMINAL O.D.	TYPICAL SPACING "C"	TYPICAL SIDE WALL "X"	MIN. H NON-TRAFFIC	MIN. H (TRAFFIC)	MAX. H*
24"	29"	48"	24"	12"	24"	8'

* MAXIMUM FILL HEIGHTS OVER MANIFOLD FITTINGS. CONTACT MANUFACTURER'S REPRESENTATIVE FOR INSTALLATION CONSIDERATIONS WHEN COVER EXCEEDS 8-FT.



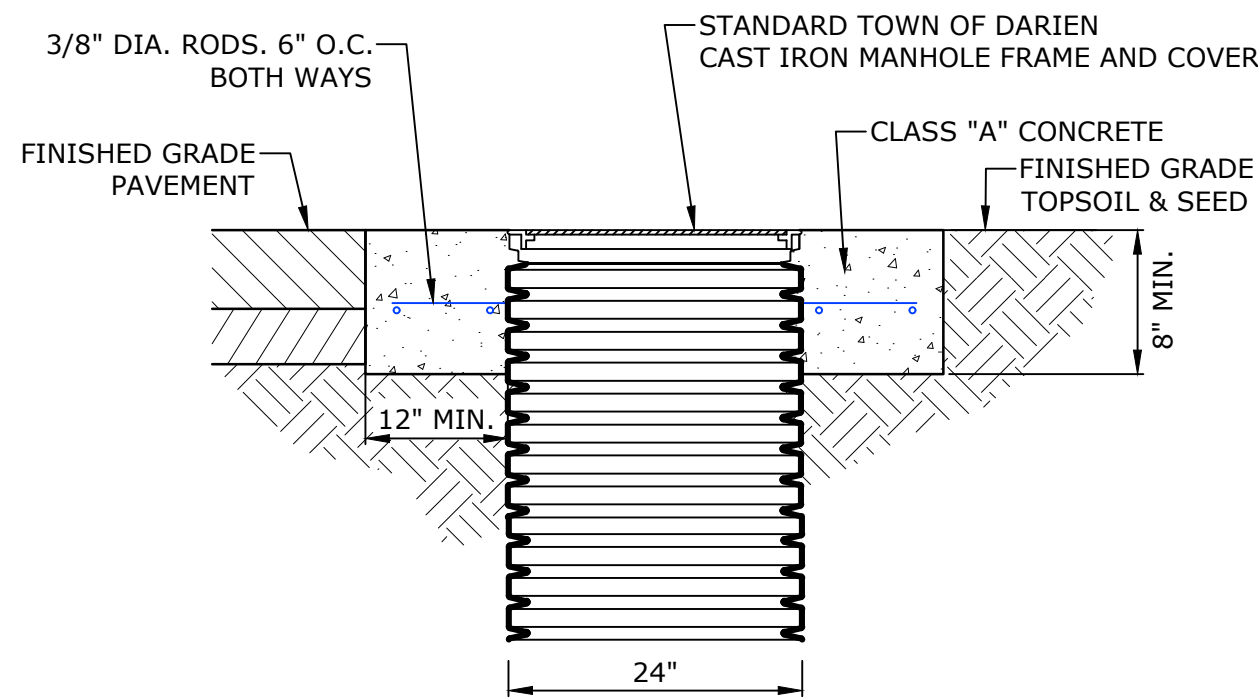
STORMWATER RETENTION SYSTEM #2 - DETAIL
NO SCALE



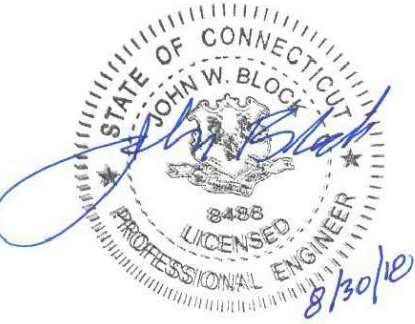
OUTLET CONTROL STRUCTURE OCS-02
NO SCALE

NOTES:

- ALL REFERENCES TO CLASS I OR II MATERIAL ARE PER ASTM D2321 "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST EDITION.
- ALL RETENTION AND DETENTION SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, LATEST EDITION AND THE MANUFACTURER'S PUBLISHED INSTALLATION GUIDELINES.
- MEASURES SHOULD BE TAKEN TO PREVENT THE MIGRATION OF NATIVE FINES INTO THE BACKFILL MATERIAL, WHEN REQUIRED. SEE ASTM D2321.
- FILTER FABRIC:** A GEOTEXTILE FABRIC MAY BE USED AS SPECIFIED BY THE ENGINEER TO PREVENT THE MIGRATION OF FINES FROM THE NATIVE SOIL INTO THE SELECT BACKFILL MATERIAL.
- FOUNDATION:** WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
- BEDDING:** SUITABLE MATERIAL SHALL BE CLASS I OR II. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4"-24" (100mm-600mm); 6" (150mm) FOR 30"-60" (750mm-900mm).
- INITIAL BACKFILL:** SUITABLE MATERIAL SHALL BE CLASS I OR II IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
- COVER:** MINIMUM COVER OVER ALL RETENTION/DETENTION SYSTEMS IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOATATION.
- FOR TRAFFIC APPLICATIONS, MINIMUM COVER IS 12" UP TO 36" DIAMETER PIPE AND 24" OF COVER FOR 42" - 60" DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT. MAXIMUM FILL HEIGHT LIMITED TO 8-FT OVER FITTINGS FOR STANDARD INSTALLATIONS. CONTACT A SALES REPRESENTATIVE WHEN MAXIMUM FILL HEIGHTS EXCEED 8-FT FOR INSTALLATION CONSIDERATIONS.



HDPE CONCRETE COLLAR
NO SCALE



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Darien, Connecticut

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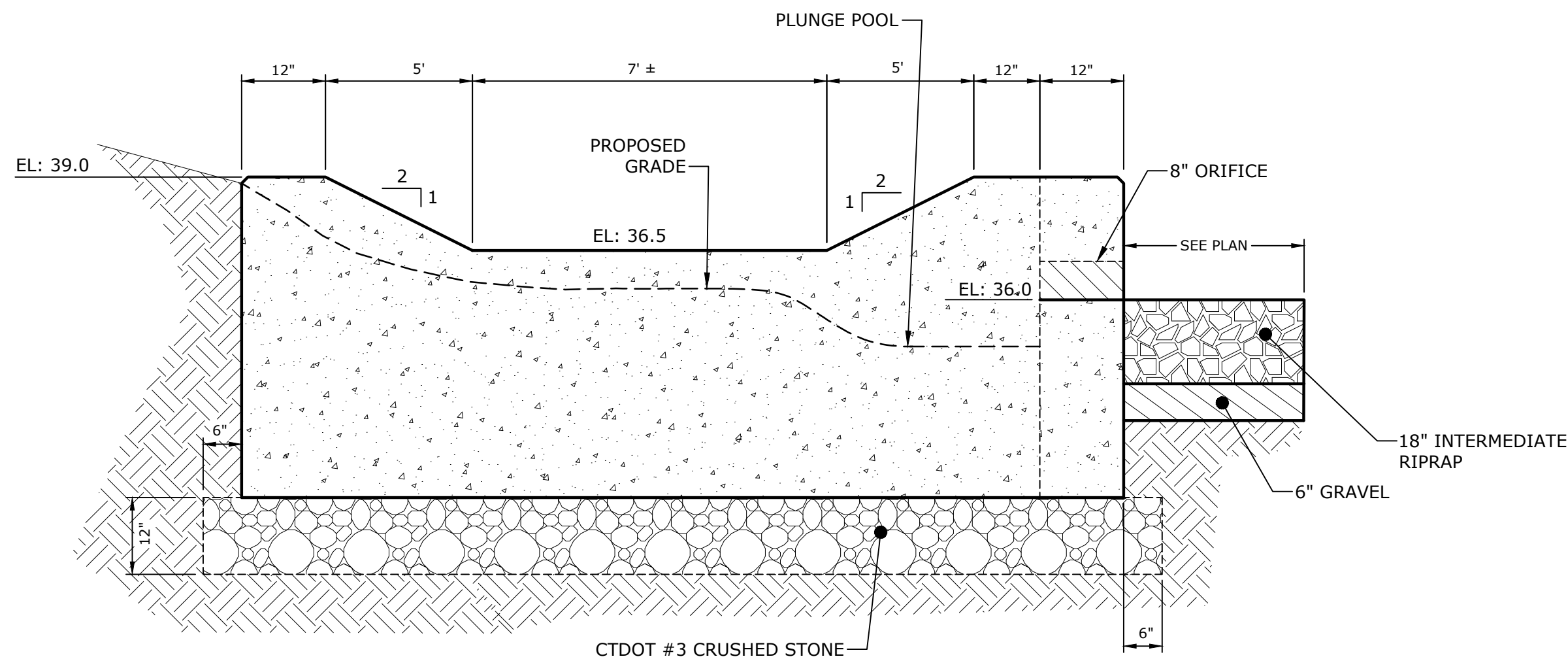
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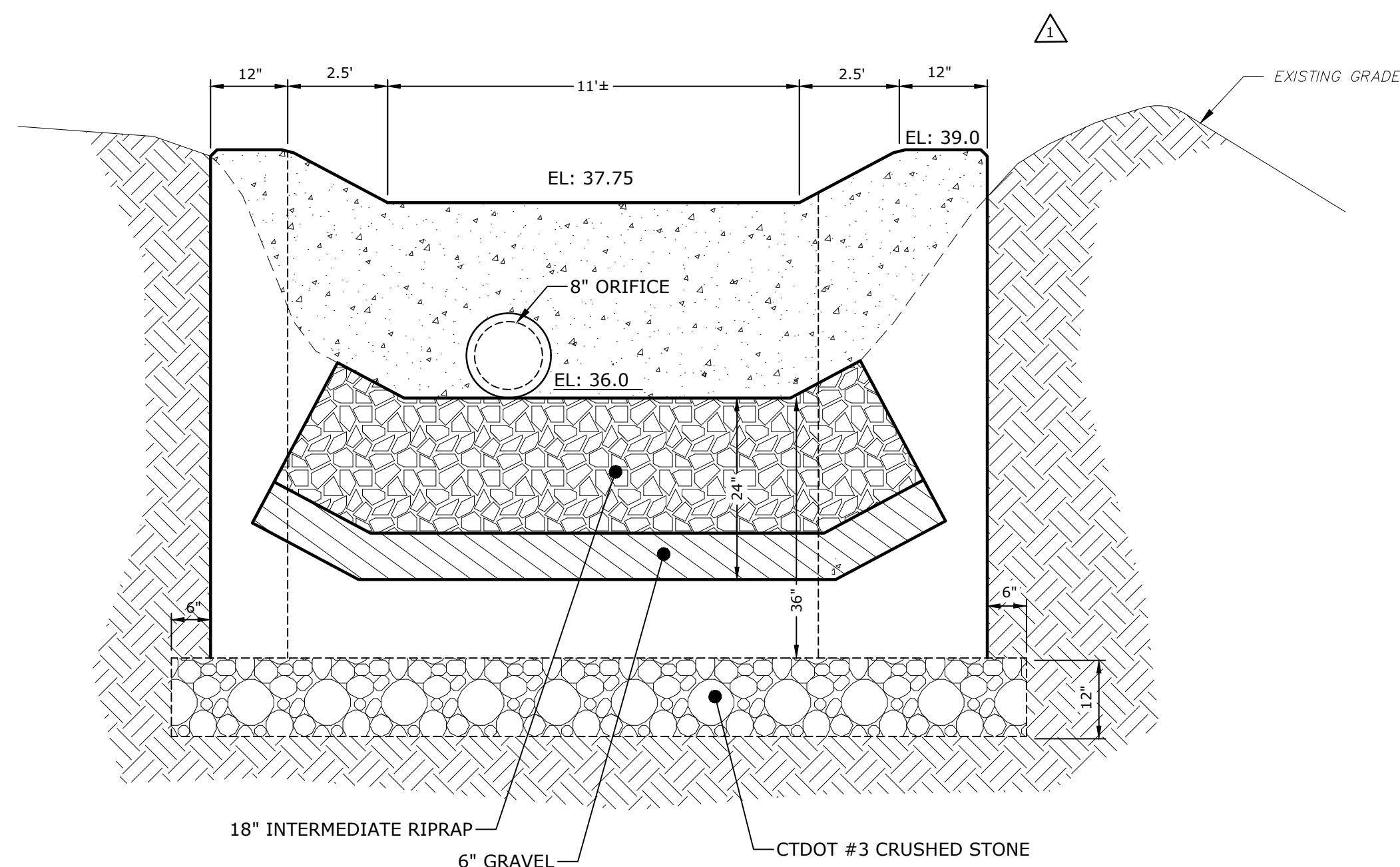
WATER QUALITY
BASIN DETAILS

SCALE: N.T.S

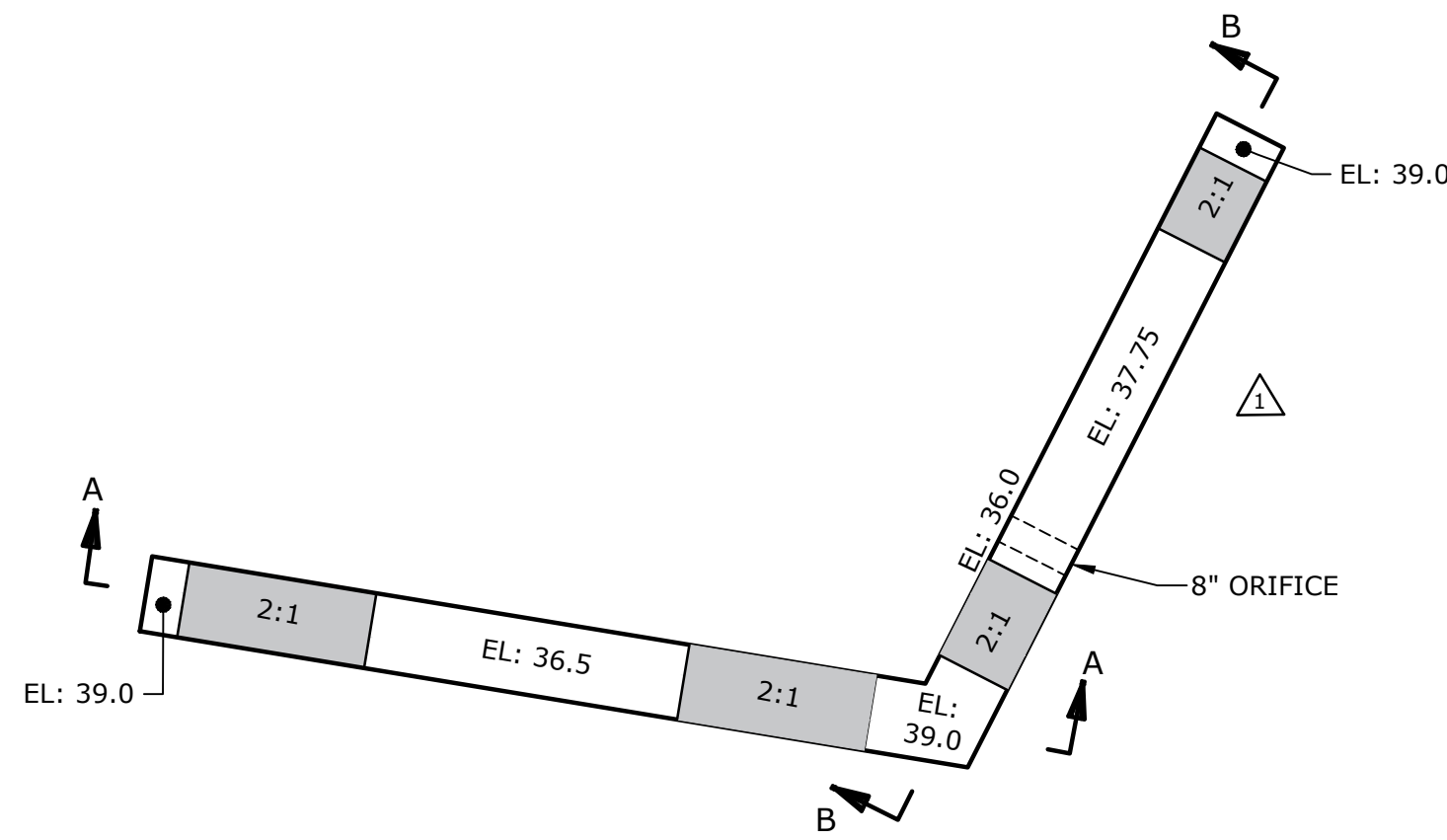
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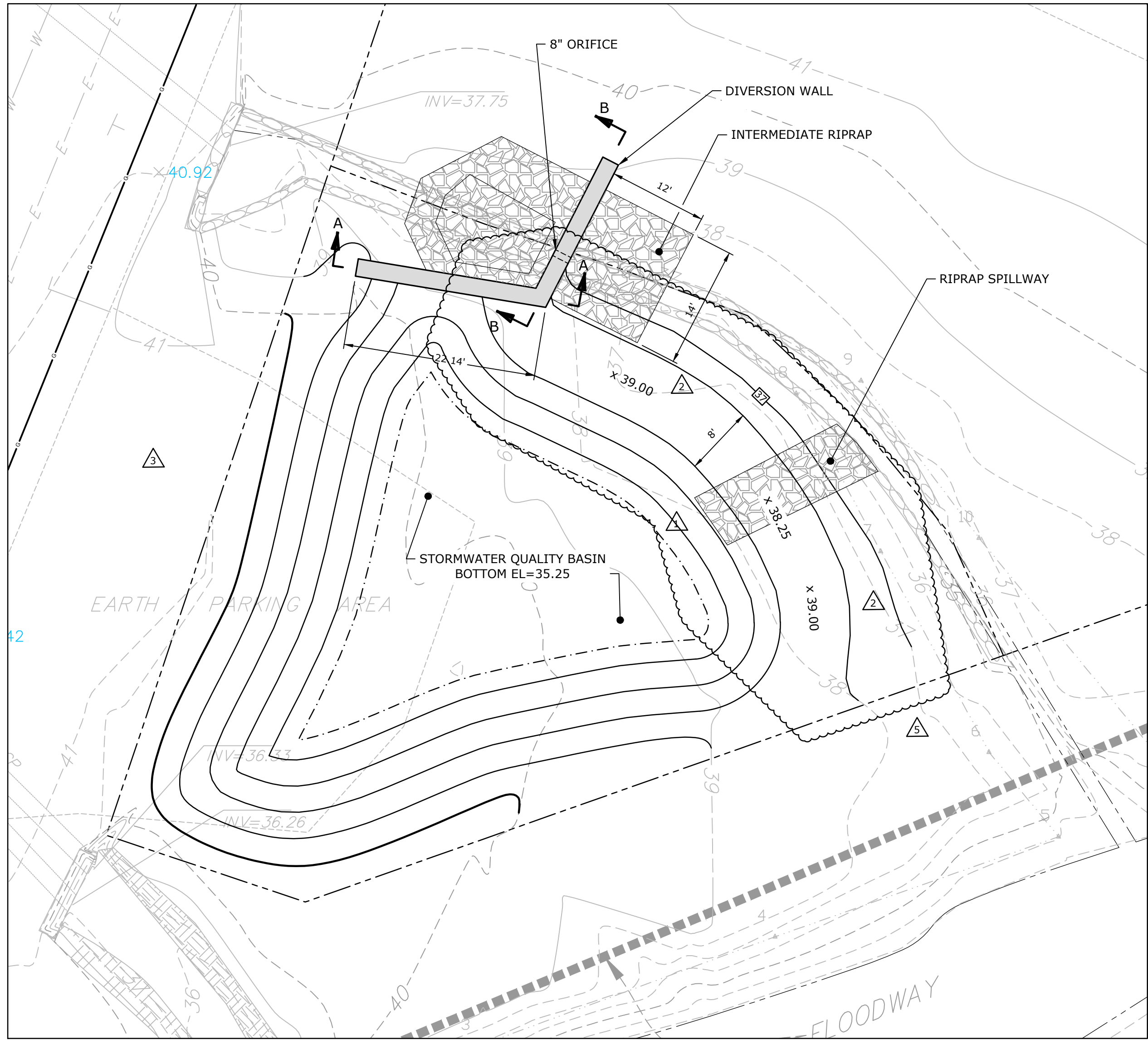
SECTION A-A



SECTION B-B



DIVERSION WALL - DETAIL
NO SCALE



NOTE:
1. FINAL DETAILS OF DIVERSION WALL TO BE COORDINATED
DURING THE CONSTRUCTION DOCUMENTS PHASE.

STORMWATER QUALITY BASIN DETAIL

SCALE: 1" = 10'